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Dec 24, 1998

DERWENT-ACC-NO: 1991-039599

DERWENT-WEEK: 199905

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TITLE: Colouration of thermoplastic resin for e.g. car parts - by using specified
1:2-type metallic azo complex salt dye

PATENT-ASSIGNEE:

ASSIGNEE

ORIENTO KAGAKU KOGY

CODE

ORIEN

PRIORITY-DATA: 1989JP-0127058 (May 19, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2841077 B2	December 24, 1998		012	C08K005/23
JP 02305832 A	December 19, 1990		010	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 2841077B2	May 19, 1989	1989JP-0127058	
JP 2841077B2		JP 2305832	Previous Publ.
JP02305832A	May 19, 1989	1989JP-0127058	

INT-CL (IPC): C08J 3/20; C08K 5/23; C08L 67/02; C08L 101/00; C09B 45/00; D06P 3/00

ABSTRACTED-PUB-NO: JP02305832A

BASIC-ABSTRACT:

The method is carried out by using 1:2 type metallic azo complex salt dye of formula (I), where B=residual gp. of a coupling agent with no sulphonic acid gp.; X=-O-, -S-, -CO2 or -NH- adjoining to azo gp.; A = H, 4-18C aliphatic amine or alkylene oxide added amine.

USE/ADVANTAGE - The thermoplastic resin can be used for car parts, OA apparatus, artificial hair, brush, etc. by e.g. injection moulding, extrusion moulding, etc., because the metallic azo complex dyes have good solubility in resin and high colouring power, preventing deterioration of physical properties of moulding in colouring. Further, it can form master batches with thick colour without reducing physical properties of the moulding.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: COLOUR THERMOPLASTIC RESIN CAR PART SPECIFIED TYPE METALLIC AZO COMPLEX SALT DYE

DERWENT-CLASS: A60 E21 F06

CPI-CODES: A08-E03A3; E21-B03; F03-F16B;

CHEMICAL-CODES:

Chemical Indexing M4 *01*

Fragmentation Code

A313 A382 A424 A426 A427 A428 A430 A960 C316 C710
F011 F013 F014 F015 F512 G010 G011 G012 G013 G014
G015 G016 G019 G020 G021 G022 G023 G024 G029 G100
G111 G221 G223 H100 H141 H211 H4 H401 H402 H441
H442 H494 H541 H6 H600 H602 H603 H608 H609 H641
H642 H643 H8 J011 J131 J331 J341 J521 J581 K0
K340 K353 K399 K5 K534 L462 L941 M111 M122 M123
M129 M136 M145 M210 M211 M212 M213 M214 M215 M216
M220 M221 M222 M223 M224 M225 M231 M232 M233 M240
M262 M272 M280 M281 M282 M283 M311 M320 M321 M343
M349 M381 M391 M411 M510 M520 M521 M531 M532 M540
M630 M781 M903 M904 W002 W030 W111 W121 W122 W124
W125 W131 W333 W336 W530 W542

Markush Compounds

199106-B3901-U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0033 0034 0035 0206 0211 0228 2208 2321 3238 2450 2465 2475 2524 2545 2572 2755
2761 2763 3300

Multipunch Codes: 014 03& 265 273 30& 305 335 364 365 415 42- 450 456 461 476 481 51& 532 536
546 57& 612 641 672 720 728

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-016967